## POLYESTER POLYMERIZATION CATALYST, POLYESTER MANUFACTURED BY USING CATALYST AND METHOD FOR MANUFACTURING POLYESTER

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Inventor:

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SHOICHI

Applicant:

**TOYO BOSEKI** 

Classification:

- international:

C08G63/82; C08G63/00; (IPC1-7): C08G63/82

- european:

Application number: JP20000297128 20000928

Priority number(s): JP20000297128 20000928; JP19990277394 19990929

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## Abstract of JP2001163964

PROBLEM TO BE SOLVED: To provide a novel catalyst for a polycondensation reaction other than an antimony compound and a polyester manufactured by using the catalyst. SOLUTION: A novel catalyst composed of an aluminum compound and a phenol-based compound is used as a catalyst for a polycondensation reaction in manufacturing a polyester. In order to enhance the catalytic activity it is preferable to co-user one or more phosphorous compounds selected from the group consisting of a phosphonic acid-based compound, a phosphinic oxide-based compound, a phosphinic oxide-based compound, a phosphine-based compound and the like. It is further preferable to make an alkali metal-based compound and an alkaline earth metal-based compound co-exist in the catalyst.

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Effective on 12/08/2004.					Complete if Known				
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).				Applic	Application Number 09/50		04,236		
	TRANSMITTAL			Filing	Filing Date February 15, 2000				
For FY 2005					amed Inventor	nventor Swain W. Porter			
And the state of t					Examiner Name Shingles, Kristie D.				
Applicant claims small entity status. See 37 CFR 1.27					Art Unit 2141				
TOTAL AMOUNT OF PAYMENT (\$) 1340					ey Docket No.	112076-138321			
METHOD OF PAYMENT (check all that apply)									
Check Credit Card Money Order None Other (please identify):									
Deposit Account Deposit Account Number: 500393 Deposit Account Name: Schwabe Williamson et al.									
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)									
Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee									
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under 37 CFR 1.16 and 1.17  WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card									
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FEE CALCULATION									
1. BASIC FILING, SEARCH, AND EXAMINATION FEES									
	Fil	ING FEE	S SEA <u>Entity</u>	RCH FE	ES EXAI Entity	MINATION Small	N FEES <u>Entity</u>		
Application '	Type <u>Fee</u>	(\$) Fee	(\$) Fee		(\$) Fee	(\$) Fee	) (\$)	Pees Paid (\$)	
Utility	30	0 15	0 500	25	0 20	0 10	0 _		
Design	20	0 10	0 100	5 50	13	0 6	5 _		
Plant	20	0 10	0 300	) 15	0 16	0 8	0		
Reissue	30	0 15	0 500	25	0 60	0 30	0		
Provisional	20	0 10	0 (		0	0	0		
2. EXCESS CLAIM FEES Small Entity Fee (5) Fee (5)									
Fee Description Each claim over 20 (including Reissues)								<del>:e (\$)</del> 25	
Each independent claim over 3 (including Reissues)							50 200	100	
Multiple dependent claims							360	180	
Total Claims Extra Claims Fee (\$) Fee Paid (\$)							Multiple Dependent Claims		
	20 or HP =	3x	=	150	_	i	<u>Fen (\$)</u>	Fee Paid (\$)	
	mber of total claims			ee Paid (\$	ı	_			
Indep. Claims									
HP ≈ highest number of Independent claims paid for, if greater than 3.									
3. APPLICATION SIZE FEE If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer									
listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50									
sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).									
Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (5) Fee Paid (5)									
4. OTHER FEE(S) Non-English Specification, \$130 fee (no small entity discount)								Fees Paid (\$)	
Other (e.g., late filing surcharge): Request for Continued Examination 790									
SUBMITTED BY			2 /						
Registration No. 45,023 Telephone 503 222 9981									
	Sou	-126	wy	1 (Attorney	Agerx)		Date January		

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